



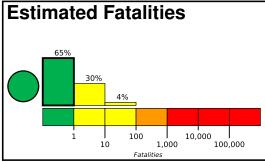


**PAGER** Version 4

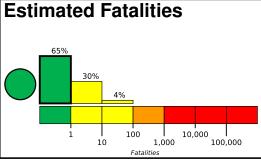
Created: 1 day, 6 hours after earthquake

## M 5.5, Kyushu, Japan

Origin Time: 2023-08-06 18:12:41 UTC (Mon 03:12:41 local) Location: 30.7637° N 131.3898° E Depth: 13.2 km



Green alert for shaking-related fatalities Estimated Economic Losses and economic losses. There is a low likelihood of casualties and damage.



10,000 1,000 100,000

**Estimated Population Exposed to Earthquake Shaking** 

13**2**.8°E

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	2,222k*	687k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

<sup>\*</sup>Estimated exposure only includes population within the map area.

## Population Exposure

31.0°N

29.8

population per 1 sq. km from Landscan



Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are heavy wood frame and reinforced/confined masonry construction.

## **Historical Earthquakes**

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1987-03-18	147	6.6	VII(593k)	1
2005-03-20	353	6.6	IX(74k)	1
2001-03-24	386	6.8	VIII(5k)	2

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

## Selected City Exposure

from GeoNames.org

MMI	City	Population			
IV	Nishinoomote	18k			
IV	Shibushi	18k			
IV	Kushima	22k			
IV	Nichinan	44k			
IV	Tarumizu	19k			
IV	Kanoya	82k			
IV	Miyazaki	311k			
IV	Kagoshima	555k			
Ш	Miyakonojo	131k			
Ш	Satsumasendai	73k			
Ш	Honmachi	104k			

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.